

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

BEHZAD GOLEMOHAMMADI

CALCULATED/DESIGNED BY

JW

CHECKED BY

JW

DATE

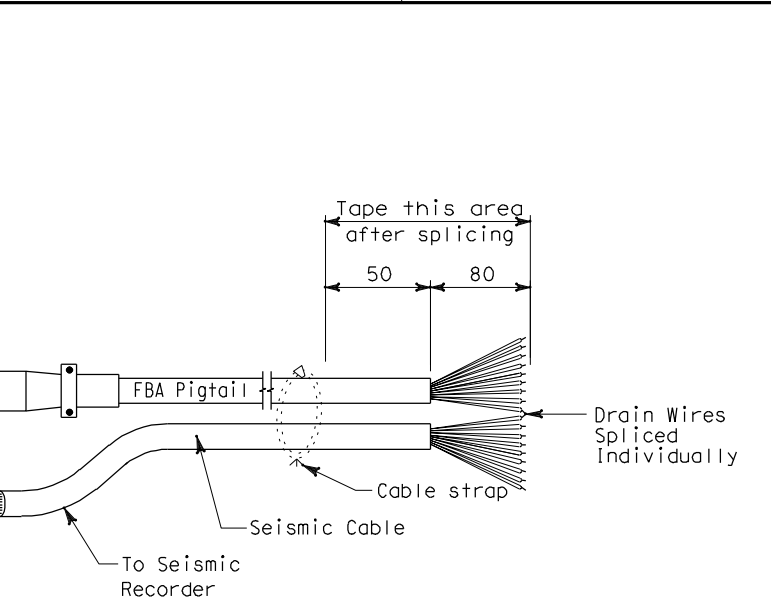
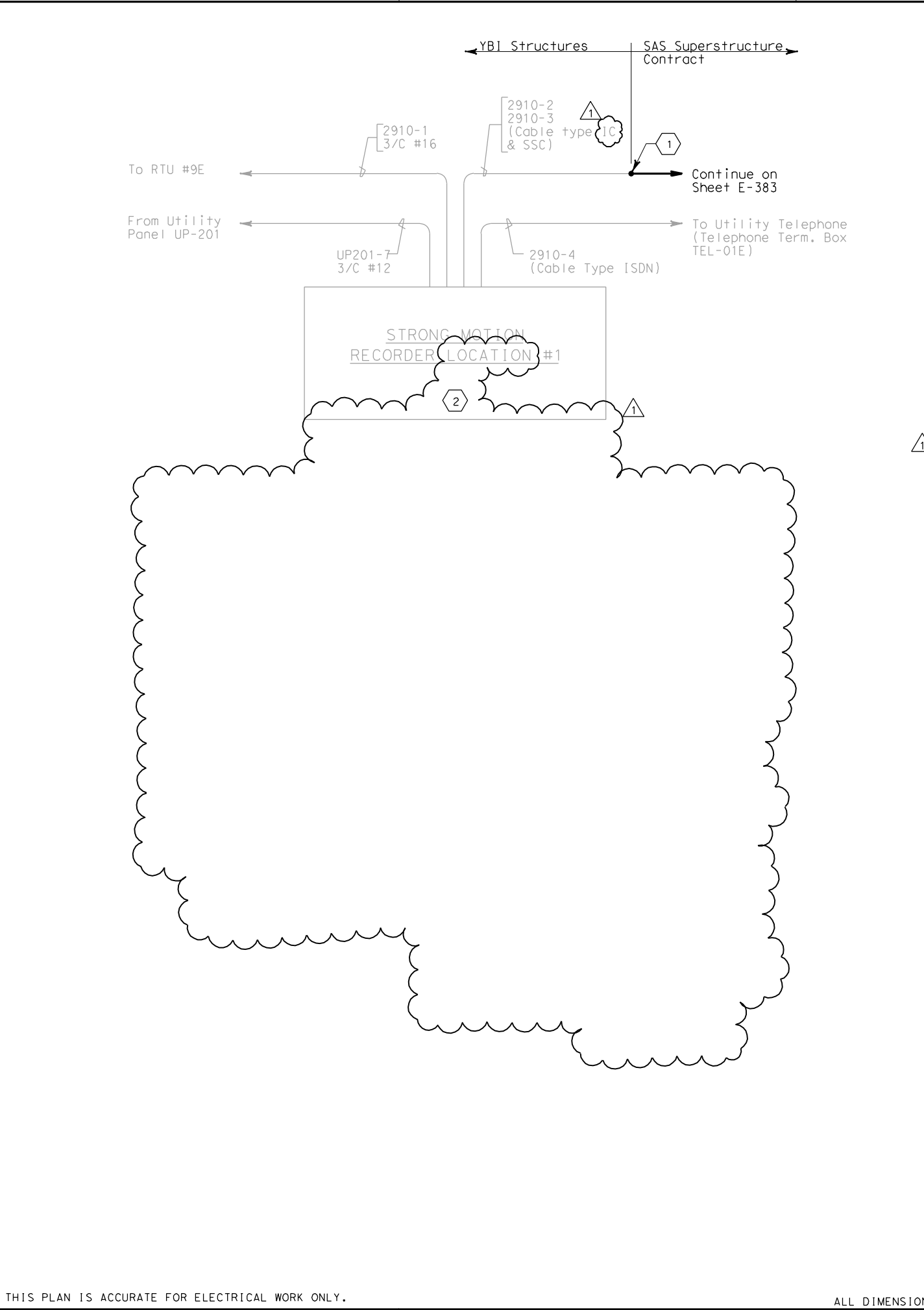
02/02

DATE

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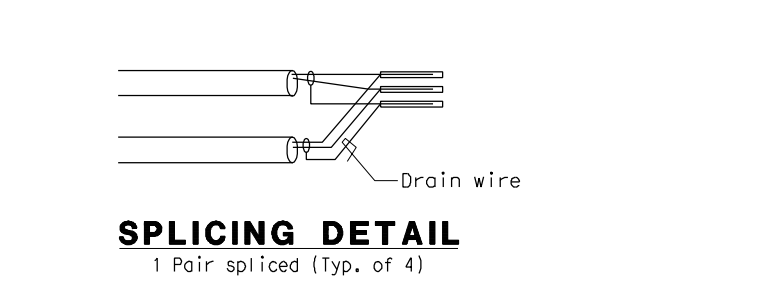
REVISED BY

DATE



PIGTAIL SPLICING DETAIL
(THIS DETAIL IS APPLICABLE TO CABLE SSC IN ALL STRONG MOTION SENSOR ENCLOSURES)

- SPLICING INSTRUCTIONS:**
- Strip outer jacket cables back 80 mm.
 - Separate individual conductors and drain wires and splice matching colored wires and drain wires using jelly filled splice connectors and crimping tool.
 - Secure cables with cable straps approximately 50 mm from end of outer jacket.
 - Tape from cable strap to splice with vinyl electrical tape (3M Scotch Super 88 or equal). Tape shall cover all splices. Coat with sealing compound or equal, then tape with self-fusing tape and an outer layer of vinyl electrical tape.
- Note: Insure crimps are secure before taping.



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Metric

DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		348 R1	1204

Jens Erlingsson

12/19/02

REGISTERED ELECTRICAL ENGINEER DATE

12-6-04

PLANS APPROVAL DATE

PB POWER, Inc.

A Parsons Brinckerhoff Company

303 Second St., Suite 700N

San Francisco, CA 94107-1317

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Caltrans now has a web site! To get to the web site, go to <http://www.dot.ca.gov>

REGISTERED PROFESSIONAL ENGINEER

JENS ERLINGSSON

No. 8249

Exp. 9/30/06

ELECTRICAL

STATE OF CALIFORNIA

- SHEET NOTES:**
- The Contractor shall extend and coil 5 meters of cable in manhole 27. All cables shall be tagged with circuit numbers as shown.
 - For seismic sensor cables see YBI Transition Structures.

- NOTES:**
- For other related work not shown on this drawing, see Electrical Special Provisions.
 - References:
 - For general notes of the strong motion detection system, see sheet E-361.
 - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
 - All conduits and fittings located outside or inside pier shall be rigid galvanized steel, PVC coated.
 - Secure enclosure to concrete with manufacturer's recommended mounting and approved by the Engineer.

REGISTERED PROFESSIONAL ENGINEER

FADI WALIEDDINE

No. 11465

Exp. 12/31/2009

ELECTRICAL

STATE OF CALIFORNIA

FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	10/03/08	STRONG MOTION SYSTEM	RG	FW	74
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS
STRONG MOTION DETECTION SYSTEM
CABLE BLOCK DIAGRAM
NO SCALE